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**ABSTRACT**

Provided, among other things, is a light emitting device comprising: a light output; a light source producing light including wavelengths of 530 nm or less; and a wavelength transformer located between the light source and the light output, comprising  $\text{Sr}_{1-x}\text{Ca}_x\text{Ga}_2\text{S}_4:y\text{Eu}^{2+}\cdot z\text{Ga}_2\text{S}_3$ , where x is 0.0001 to 1, y is a value defining sufficient  $\text{Eu}^{2+}$  to provide luminescent emission, and z is 0.0001 to 0.2 based on the mole amount of  $\text{Sr}_x\text{Ca}_{1-x}\text{Ga}_2\text{S}_4$ , the wavelength transformer effective to increase the light at the light output having wavelength between 535 nm and 560 nm.